

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|-------------------------------------|------------------------------|------------------|---------|------------------|
| L1 | 0 | S29 (inner with wall with shoulder) | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/03/21 15:40 |
| | | S27 and (inner with outer with wall | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/03/30 18:24 |
| | | "128".d12.ccls. | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/03/30 18:25 |
| | | 128/d12.ccls. | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/03/30 18:25 |
| L2 | 0 | 128/d12.ccls. | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/03/30 18:25 |
| L3 | 0 | 128/dig12.ccls. | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/03/30 18:27 |
| L4 | 155 | 604/155.ccls. | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/03/30 18:25 |
| L5 | 584 | 128/DIG.12.ccls. | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/03/30 18:28 |
| S1 | 21 | (kevin cowan).in. | US-PGPUB; USPAT; USOCR | WITH | ON | 2006/03/21 13:30 |
| S2 | 1 | "20010047153" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 15:26 |
| S3 | 1 | S2 and plunger | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 13:22 |
| S4 | 0 | S3 and (inwardly with flange) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 13:23 |
| S5 | 1 | S3 and flange | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 13:23 |
| S6 | 0 | S5 and (retaining adj shoulder) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 13:23 |
| S7 | 0 | S5 and shoulde | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 13:23 |
| S8 | 1 | S5 and shoulder | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 13:23 |

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| S9 | 1 | S8 and drive | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 13:29 |
| S10 | 0 | "10722370" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 13:29 |
| S11 | 1 | "20050113754" | US-PGPUB; USPAT; USOCR | WITH | ON | 2006/03/21 13:30 |
| S12 | 1 | S11 and plunger | US-PGPUB; USPAT; USOCR | WITH | ON | 2006/03/21 13:30 |
| S13 | 1 | S12 and (inwardly with flange) | US-PGPUB; USPAT; USOCR | WITH | ON | 2006/03/21 14:15 |
| S14 | 726 | 604/187.ccls. | US-PGPUB; USPAT; USOCR | WITH | ON | 2006/03/21 14:15 |
| S15 | 176784 | inward\$3 flange | US-PGPUB; USPAT; USOCR | WITH | ON | 2006/03/21 14:15 |
| S16 | 72 | S14 and S15 | US-PGPUB; USPAT; USOCR | WITH | ON | 2006/03/21 14:15 |
| S17 | 6567 | S15 same plunger | US-PGPUB; USPAT; USOCR | WITH | ON | 2006/03/21 14:15 |
| S18 | 31 | S14 and S17 | US-PGPUB; USPAT; USOCR | WITH | ON | 2006/03/21 14:15 |
| S19 | 3134 | "2" and (retaining adj shoulder) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 15:26 |
| S20 | 1 | "20010047153" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 15:26 |
| S21 | 0 | S20 and (retaining adj shoulder) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 15:27 |
| S22 | 1 | "20050113754" and (retaining adj shoulder) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 15:28 |
| S23 | 1 | "20050113754" and (inner surface) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 15:30 |

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| S24 | 1 | "20050113754" and (inner adj surface) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 15:31 |
| S25 | 1 | "20050113754" and (outer adj surface) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 15:34 |
| S26 | 1 | "20010047153" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 15:34 |
| S27 | 3078 | plunger wall inner outer flange shoulder | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/03/21 15:39 |
| S28 | 1037 | S27 and (inner with outer with wall) | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/03/21 15:39 |
| S29 | 392 | S28 and (inner with wall with flange) | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/03/21 15:40 |
| S30 | 158 | S29 and (inner with wall with shoulder) | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/03/21 15:42 |
| S31 | 86 | S30 and (plunger with inner with outer) | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/03/21 15:42 |
| S32 | 69 | S30 and (plunger with inner with outer with wall) | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/03/21 15:46 |
| S33 | 726 | 604/187.ccls. | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/03/21 15:47 |
| S34 | 452 | S33 and plunger | US-PGPUB; USPAT; USOCR | SAME | ON | 2006/03/21 15:47 |

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| S35 | 164 | ("1988480" "2702547" "3051173" "3604417" "3623474" "3645262" "3701345" "3720211" "3738539" "3752145" "3796218" "3812843" "3964139" "3987940" "4006736" "4030498" "4080967" "4155490" "4226236" "4252118" "4278086" "4345595" "4351332" "4356822" "4424720" "4452251" "4453934" "4464265" "4465472" "4465473" "4475666" "4476381" "4493646" "4529401" "4568335" "4573978" "4585439" "4604847" "4612010" "4617016" "4636198" "4648872" "4650475" "4652260" "4664128" "4676776" "4677980" "4681566" "4685903" "4695271" "4705509" "4722734" "4741732" "4741736" "4749109" "4755172" "4767406" "4773900" "4838857" "4840616" "4842581" "4853521" "4854324" "4869720" "4878896" "4901873" "4911695" "4929238" "4936833" "4943279" "4966601" "4969874" "4973309" "4978335" "4988337" "5007904" "5033650" "5034004" "5047014" "5078683" "5084017" "5085638" "5085643" "5093079" "5104374" "5106379" "5135507" "5147311" "5153827" "5184740" "5188250" "5226897" "5236416" "5242408" "5254086" "5254101" "5256157" "5269762" "5275582" "5279569" "5282792" "5300031" "5317506" "5324273" "5338309" "5342298" "5354287" "5356375" "5356393" "5383858" "5425716" "5429602" "5429611" "5431627" "5433712" "5439452" "5445622" "5451211" "5456670" "5520653" "5531698" "5533981" "5535746" "5545140" "5573515").PN. OR ("5658261" "5662612" "5681285" "5681286" "5683367" "5738659" "5741227" "5741232" "5779675" "5795333" "5808203" "5827219" "5836922" "5865805" "5873861" "5882343" "5899885" "5908124" "5913844" "5919167" "5938630" "5944604" "5947070" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 17:12 |
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| S36 | 2317 | disengag\$4 with plunger with rotat\$4 | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 17:14 |
| S37 | 65 | S36 and injector | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 17:44 |
| S38 | 280 | 604/228.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 17:46 |
| S39 | 202 | 604/154.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 17:47 |
| S40 | 1127 | 604/218.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 17:47 |
| S41 | 107 | 604/223.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 17:50 |
| S42 | 4 | "6017330" and drive | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 17:50 |
| S43 | 1 | "6017330".pn. and drive | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 17:52 |
| S44 | 1 | "6017330".pn. and piston | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 17:56 |
| S45 | 1 | "20050113754" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 17:54 |
| S46 | 1 | S45 and (retaining adj member) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 17:54 |
| S47 | 1 | "6017330".pn. and housing | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 17:56 |